Exhibit 3

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PIV and ETBS/F Fingerprint Scanner

PIV OEM Module

ANSI/ISO SDK

Live Finger Detection

USB Fingerprint Scanner/Module

Fingerprint Access and Attendance Control Solution

Software for Windows

Standard SDK

Futronic FS84C PIV ethernet Fingerprint Authentication Module(eFAM)

Major features and benefit:

Futronic FS84C PIV ethernet Fingerprint Authentication Module (eFAM) combines both high performance fingerprint scanner and recognition engine into one device. It has internal memory that can store up to 2500 fingerprint templates.

Any host system can control the FS84C via standard Ethernet interface to enroll finger and recognize finger. The recognition result will be sent from FS84C to the host.

4 wires serial interface is also available. So FS84C can be used for both embedded and remote fingerprint recognition application. Fingerprint images and templates can be transferred between FS84C and host system via serial and ethernet interface.

FS84C has 1 output channel (for external relay control) and 2 input channels(for door sensor and switch). So it can be used as a fingerprint access control device.

Futronic provides development tools to customer free of charge for integrating the FS84C with any host system.

FS84C's fingerprint engine can also extract and match ANSI/ISO template. Please contact Futronic for details.

Specification

- Fingerprint scanner:
 - Fingerprint scanning window size is 16x24mm
 - o Image resolution is 480x320 pixel, 500 DPI
 - o Image format is 8 bit 256 grayscale
 - o Raw fingerprint image file size is 150K byte
 - Light source: Infrared LED
- Fingerprint recognition engine:
 - o Processor: Analog Device ADSP-BF532
 - o 16MB SDRAM and 16MB Flash memory
 - \circ Can store up the 2500 fingerprint templates
 - With Futronic proprietary software and fingerprint recognition algorithm
 - Fingerprint recognition accuracy: FAR-10⁻⁶, FRR-10⁻²
 - Fingerprint template format same as all other Futronic products
- Electrical:
 - 4 wires serial interface, VCC, GND, TX and RX. Speed up to 961200bps.
 - o Ethernet communication speed: 10M
 - O Supply voltage: 12V. Max current consumption: 250mA
 - 1 output and 2 input channels for controlling external devices
 - o 2 output channels for controlling external LEDs
 - ESD: contact 8KV and air discharge 16KV no permanent damage
- · Others:
 - Built in buzzer for status indication
 - o Weight: 200 grams
 - Size: 105mm(L) x 80mm(W) x 40mm(H)
 - o Operation temperature: -20 to +55 Degree Celsius
 - o Finger scanning Window is waterproof



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DOWNLOAD

- Brochure
- FBI Certification for FS84C
- FS83_FS84 Starter Kit
- IO Electrical Characteristics

NEWS

17 Aug 2012 Futronic Launches FS28 FIPS201/PIV Bluetooth Fingerprint Scanner

26 June 2012 ACB in Vietnam Selected Futronic FS88 Fingerprint Scanner

15 October 2009 Futronic Windows 7 Biometric Framework Driver is Signed by Microsoft

25 September 2009 Futronic Launches FS50 FIPS201/PIV Compliant USB2.0 Two Finger Scanner

18 December 2008 Futronic Launches FS25 USB2.0 Fingerprint Mifare Card Reader/Writer

21 November 2008 Futronic Launches FS22 Fingerprint Access Control Device

06 March 2008 Futronic FS88 USB2.0 Fingerprint Reader Gets FIPS 201/PIV Certification from FBI

All news

